

Jennifer L. Stockdill

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Education

California Institute of Technology, Pasadena, CA

Ph.D. in Synthetic Organic Chemistry, July 2003 to December 2008

Virginia Polytechnic Institute and State University, Blacksburg, VA

Bachelor of Science Degree in Chemistry, June 2003

Magna Cum Laude, Commonwealth Scholar

Research and Teaching Experience

Graduate Research Assistant: California Institute of Technology, Pasadena, CA
July 2003 to Present

~Current work is directed toward an efficient total synthesis of zoanthanol.

Graduate Teaching Assistant: California Institute of Technology, Pasadena, CA
September 2006 to December 2006

~Recitation TA for Ch1a, general undergraduate chemistry.

April 2005 to June 2005, April 2007 to June 2007

~Assisted in teaching Ch41c, the undergraduate organic chemistry course.

September 2004 to December 2004

~Assisted in teaching Ch242a, the graduate level synthesis course.

September 2003 to May 2003

~Taught 3 terms of Ch3a, the undergraduate general chemistry lab course.

Undergraduate Research Assistant: Virginia Tech, Blacksburg, VA

May 2002 to June 2003

~Studied the interactions of tri-block copolymer-coated magnetite with phospholipid monolayers at the air/water interface.

January 2001 to August 2001

~Worked toward the synthesis of a designed histone deacetylase inhibitor.

Undergraduate Teaching Assistant: Virginia Tech. Blacksburg, VA

January 2002 to June 2003

~Taught the recitation section for the undergraduate general chemistry course.

Honors, Awards, and Scholarships

PEO Scholar Award, 2008

Novartis Graduate Fellowship in Organic Chemistry, 2005

Honorable Mention, NSF Graduate Fellowship Program, 2004

Hypercube Scholar Award, Virginia Tech, 2003

Academic Excellence Award in Chemistry, Virginia Tech, 2003, 2002

Merck Index Chemistry Award, Virginia Tech, 2002

Barry M. Goldwater Scholarship Nominee, Virginia Tech Honors Program, 2002

Charles B. Walker Scholarship, Virginia Tech Chemistry Department, 2000, 2001, 2002

Scientific Scholar of the Year Award, 3rd Place, ACD Labs, 2001

Ruth Louise Terrett Earle Scholarship, Virginia Tech Engineering Department, 1999

Publications and Presentations

Research Papers:

Behenna, D. C.; Stockdill, J. L.; Stoltz, B. M. Synthesis of the Carbocyclic Core of Zoanthenol: Implementation of an Unusual Acid-Catalyzed Cyclization. *Angew. Chem. Int. Ed.* **2007**, *46*, 4077-4079.

Reviews:

Behenna, D. C.; Stockdill, J. L.; Stoltz, B. M. The Biology and Chemistry of the Zoanthamine Alkaloids. *Angew. Chem. Int. Ed.* **2008**, *47*, 2365-2386.

Presentations:

Stockdill, J. L.; Behenna, D. C.; Stoltz, B. M. *Endeavors into the Total Synthesis of Zoanthenol*. Oral Presentation, American Chemical Society National Meeting, Boston, MA, August 2007.

Stockdill, J. L.; Behenna, D. C.; Stoltz, B. M. *Endeavors into the Total Synthesis of Zoanthenol*. Poster Presentation, National Organic Symposium, Sponsored by the Organic Division of the American Chemical Society, Durham, NC, June 2007.

Stockdill, J. L. *Progress Toward the Total Synthesis of Zoanthenol*. Poster Presentation, Novartis Science Day, Novartis Institute for Biomedical Research, Boston, MA, October 2005.

Stockdill, J.; Goff, J.; Wilson, K.; Riffle, J. Esker, A. *Magnetic Nanoparticle – Phospholipid Interactions in Monolayer Films*. Oral Presentation, Undergraduate Research Symposium, hosted by the Student Affiliates of the American Chemical Society at Virginia Tech, Blacksburg, VA, May 2003.

Stockdill, J.; Goff, J.; Wilson, K.; Riffle, J. Esker, A. *Magnetic Nanoparticle – Phospholipid Interactions in Monolayer Films*. Poster Presentation, American Physical Society March Meeting, Austin, TX, March 2003.

Stockdill, J. L.; Etzkorn, F. A. *Efforts Toward the Synthesis of a New Histone Deacetylase Inhibitor*. Poster Presentation, Undergraduate Research Symposium, hosted by the Student Affiliates of the American Chemical Society, Blacksburg, VA, May 2001.